

QD  
I  
A385

# Ambix

The Journal of the Society for the  
Study of Alchemy and Early Chemistry

U. of ILL. LIBRARY

DEC 29 1972

Member of Council

CHICAGO CIRCLE

Dr. W. H. BROCK (*Hon. Editor*)

Dr. F. GREENAWAY (*Hon. Secretary*)

Prof. A. G. DEBUS

G. HEYM, Esq.†

Dr. DENIS I. DUVEEN

H. J. SHEPPARD, Esq.

Dr. W. V. FARRAR

Dr. W. A. SMEATON (*Hon. Treasurer*)

Prof. R. J. FORBES

Dr. E. ASHWORTH UNDERWOOD

D. GEOGHEGAN, Esq.

Dr. T. I. WILLIAMS (*Chairman*)

---

VOLUME XIX

1972

---

W. HEFFER & SONS LTD.,  
CAMBRIDGE, ENGLAND

## THE SOCIETY FOR THE STUDY OF ALCHEMY AND EARLY CHEMISTRY

CHAIRMAN: Dr. Trevor I. Williams.

HON. SECRETARY: Dr. F. Greenaway, Science Museum, London S.W.7.

HON. EDITOR: Dr. W. H. Brock, Dept. of History of Science, University of Leicester, Leicester LE1 7RH.

HON. TREASURER AND REVIEWS EDITOR: Dr. W. A. Smeaton, Dept. of History and Philosophy of Science, University College, Gower Street, London WC1E 6BT.

In **AMBIX**, which appears in March, July and November each year (3 parts making a volume), the Society publishes scholarly articles and reviews of books on all aspects of the history of alchemy and chemistry.

Articles, which must be fully documented, should be sent to the Editor, Dr. W. H. Brock. Every care will be taken of typescripts, but no responsibility can be accepted for accidental loss or damage. Authors receive 50 free reprints.

Books for review should be sent to the Reviews Editor, Dr. W. A. Smeaton. Publishers are asked to notify the prices of books.

**Meetings** of the Society are held in London, generally twice per year, at which papers on the history of alchemy and chemistry are read and discussed. Information about meetings, which are open to non-members, can be obtained from the Hon. Secretary, Dr. F. Greenaway.

**Anyone interested in the history of alchemy or chemistry may become a member of the Society.** The annual subscription of £2.25 (U.S. \$5.90) should be sent to the Hon. Treasurer, Dr. W. A. Smeaton, from whom further information can be obtained. Members receive the current volume of *Ambix* (3 parts) without further payment. All back volumes are available at £3.25 (U.S. \$8.50) each.

For non-members, libraries and institutions, the annual subscription to *Ambix* is £3.25 (U.S. \$8.50), and all back volumes are available at the same price. **Orders from non-members should be sent to W. Heffer & Sons Ltd., Hills Road, Cambridge, CB2 1LW, England.**

A collective table of contents and index to volumes 1-17 of *Ambix* (1937-1970) is included in volume 17 (1970).

# CONTENTS

## VOL. XIX

No. 1—MARCH, 1972

	<i>Page</i>
The Chemist Breeders: The Research Schools of Liebig and Thomas Thomson. By J. B. Morrell .. .. .	1
Text: Liebig's Laboratory Accounts. By W. H. Brock .. .. .	47
Letter to the Editor on Josef Hawliczek. From Robert Dickinson ..	59
Short Notice of Book .. .. .	59

### Reviews of Books:

La genèse de la science des cristaux. By Hélène Metzger (reprint) ..	60
The Argand Burner: Its Origin and Development in France and England, 1780-1800. By Michael Schrøder.. .. .	61
Mikhail Vasil'evich Lomonsov on the Corpuscular Theory. Edited by Henry M. Leicester .. .. .	62
Science and Change 1500-1700. By Hugh Kearney .. .. .	63
The Chemical Industry. By W. A. Campbell .. .. .	64
The Anatomy of a Scientific Institution. The Paris Academy of Sciences, 1666-1803. By Roger Hahn .. .. .	65
Victorian Science. Edited by George Basalla, William Coleman and Robert H. Kargon .. .. .	66
Books Received .. .. .	67

No. 2—JULY, 1972

The Coming of Ardent Water. By Lu Gwei-Djen, Joseph Needham and Dorothy Needham .. .. .	69
The <i>Annales de Chimie</i> 1789-1815. By Susan Court .. .. .	113
The Stereochemistry of Trivalent Nitrogen Compounds: Alfred Werner and the Controversy over the Structure of Oximes. By George B. Kauffman .. .. .	129
Some Comments on the Contemporary Helmontian Renaissance. An Essay Review by Allen G. Debus .. .. .	145

### Reviews of Books:

Historisches Wörterbuch der Philosophie. By Rudolf Eisler and edited by J. Ritter .. .. .	151
Christianus Democritus: das Menschenbild bei Johann Conrad Dippel. By Karl-Ludwig Voss .. .. .	152
The History of Valency. By C. A. Russell .. .. .	153
The Evolution of the Atomic Theory. By D. P. Mellor .. .. .	154



Announcement .. .. .	155
Books Received .. .. .	156

### No. 3—NOVEMBER, 1972

Some Sources of Herman Boerhaave's Concept of Fire. By Rosaleen Love .. .. .	157
The Anomaly of Strong Electrolytes. By John H. Wolfenden .. .. .	175
Hofmann's Return to Germany from the Royal College of Chemistry. By Jonathan Bentley .. .. .	197
Further Thoughts on the Identity of "Eirenaeus Philalethes". A Letter to the Editor from Ronald S. Wilkinson .. .. .	204
The History of Arabic Literature. An Essay Review by Martin Plessner .. .. .	209
Obituary: Gerard Heym, 1888-1972 .. .. .	216

#### Reviews of Books:

University of Oxford. Museum of the History of Science. Catalogue I: Chemical Apparatus. By C. R. Hill .. .. .	218
The Science of Matter. A Historical Survey. Selected Readings edited by M. P. Crosland .. .. .	219
Hamlet's Mill. An Essay on Myth and the Frame of Time. By Giorgio de Santillana and Hertha von Dechend .. .. .	220
Science and Education in the Seventeenth Century: The Webster-Ward Debate. By Allen G. Debus .. .. .	221
Autobiography of Joseph Priestley. Edited by Jack Lindsay .. .. .	222
Affinity and Matter. By Trevor H. Levere .. .. .	223
Les Débuts de l'industrie chimique dans les Pays-Bas autrichiens. By Annette André-Félix .. .. .	224
Machina Carnis. The Biochemistry of Muscular Contraction in its Historical Development. By Dorothy M. Needham .. .. .	225
Science and Controversy. A Biography of Sir Norman Lockyer. By A. J. Meadows .. .. .	226
Short Notices of Books .. .. .	227
Books Received .. .. .	228
Index to Volume XIX .. .. .	229